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| (21) International Application Number: PCT/US00/02972 (22) International Filing Date: 4 February 2000 (04.02.00) (30) Priority Data: 60/118,892 5 February 1999 (05.02.99) US (71) Applicant: ORIDIGM CORPORATION [US/US]; Suite 200, 4010 Stone Way North, Seattle, WA 98103 (US). (72) Applicants and Inventors: VERMEULIN, Nicolaas, M., J. [ZA/US]; 19334 - 196th Avenue NE, Woodinville, WA 98072 (US). BURNS, Mark, R. [US/US]; 226 Northwest 184th Street, Shoreline, WA 98177 (US). WEBB, Heather, K. [US/US]; 5705 Seaview Avenue, NW, Seattle, WA 98107 (US). (74) Agents: LAU, Kawai et al.; Morrison & Foerster LLP, 2000 Pennsylvania Avenue, N.W., Washington, DC 20006-1888 (US). | | (81) Designated States: AL, AM, AU, AZ, BA, BB, BG, BR, CA, CN, CU, CZ, EE, FI, GE, HU, IL, IS, JP, KG, KP, KR, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>Without international search report and to be republished upon receipt of that report.</i> |
| (54) Title: ANTIZYME MODULATORS AND THEIR USE (57) Abstract The present invention is directed to agmatine and polyamine analogs and their use as drugs, as well as agricultural or environmentally useful agents. As drugs, the analogs decrease cellular polyamine levels, possibly by inducing antizyme, and can be used to treat disorders of undesired cell proliferation, including cancer, viral infections and bacterial infections. The analogs may be utilized in pharmaceutical compositions either alone or in combination with other agents, particularly other inhibitors of polyamine synthesis or transport, but including other inhibitors of cell proliferation. The analogs are not necessarily metabolized to contribute to the polyamine pool and are designed to enter cells by pathways independent of polyamine transport. The invention further defines structural elements/motifs within these analogs that are key to their induction of antizyme. | | |